

Listing of Claims

The listing of claims set forth below will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method of inducing lysis of proliferating cancer cells comprising contacting said cells with a vaccinia virus having ~~an inactivating mutation in an interferon resistance gene~~ a truncation mutation in E3L of less than 83 amino acids from the amino terminus, wherein the vaccinia virus selectively replicates in cancer cells.
2. (Original) The method of claim 1, wherein the cancer cells are ras-transformed cells.
3. (Original) The method of claim 1, wherein the cancer cells are breast cancer cells or prostate cancer cells.
- 4-8. (Canceled)
9. (Original) The method of claim 1, wherein said contacting comprises administering a therapeutic amount of the vaccinia virus to a mammal comprising proliferating cancer cells under conditions that permit contact between the vaccinia virus and the proliferating cancer cells.
10. (Original) The method of claim 9, wherein the administering is selected from the group consisting of intratumoral injection, intravenous injection, and intravascular injection.
- 11-16. (Canceled)

17. (New) The method of claim 1, wherein the vaccinia virus has a truncation mutation in E3L of about 54 amino acids from the amino terminus.